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ELECTRONIC JIGSAW POWX033

1 APPLICATION

The power tool is intended for sawing wood, metal and plastics.
It is not designed for commercial use.



WARNING! Read this manual and general safety instructions carefully before using the appliance, for your own safety. Your power tool should only be passed on together with these instructions.

2 DESCRIPTION (FIG A)

- | | |
|---|--|
| 1. Power cable | 6. Saw blade |
| 2. Locking button | 7. Guide roller |
| 3. On/Off switch | 8. Adjustable metal base |
| 4. Knurled screw for regulating the speed | 9. Selector switch for pendulum action (4 positions) |
| 5. Inspection guard | 10. Dust extractor socket |

3 PACKAGE CONTENT LIST

- Remove all packing materials
- Remove remaining packaging and transit supports (if existing)
- Check the completeness of the packing content
- Check the appliance, the power cord, the power plug and all accessories for transportation damages.
- Keep the packaging materials as far as possible till the end of the warranty period. Dispose it into your local waste disposal system afterwards.



WARNING Packing materials are no toys! Children must not play with plastic bags! Danger of suffocation!

1pc dust adaptor
1pc guide bar
1set carbon brushes

1pc saw for metal
2pc saw for wood



When parts are missing or damaged, please contact your dealer.

4 SYMBOLS

In this manual and/or on the machine the following symbols are used:

	Denotes risk of personal injury or damage to the tool.		In accordance with essential requirements of the European directive(s)
	Read manual before use		"Class II - The machine is double insulated; Earthing wire is therefore not necessary

5 GENERAL POWER TOOL SAFETY WARNINGS

Read all safety warnings and all instructions. Failure to follow all warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

5.1 Work area

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

5.2 Electrical safety



Always check that the power supply corresponds to the voltage on the rating plate.

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

5.3 Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used whenever conditions require will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.

5.4 Power tool use and care

- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or sticking of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to stick and are easier to control.
- Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could lead to a hazardous situation.

5.5 Service

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

6 SPECIAL SAFETY INSTRUCTIONS FOR JIG SAWS



Important! Use of any accessories or attachments other than those supplied or recommended in these operating instructions can mean the risk of injury.

- When using jig saws ear protectors and a face mask should be worn. Exposure to noise can cause damage to hearing.
- Do not use the jig saw to cut asbestos or materials containing asbestos.
- Do not leave power tools running unattended. Always switch off and do not put down or leave until it has stopped completely.
- Long hair must be covered. Do not work in loose fitting clothing.
- Be careful when working on walls. Damage to power supply lines, gas or water pipes can lead to dangerous situations. Use appropriate detectors to establish whether there are concealed wires or pipes in the working area.
- Always check that the mains voltage corresponds to the voltage on the device's rating plate.
- Secure the work piece. The work piece is only secure if it is held by work-holding devices or in a vice.
- Use of extension cables. Only use extension cables which are designed for the machine's power. The minimum conductor cross section must be 1.5 mm². When using cable reels the cable must always be completely unrolled.
- Always remove the mains plug before replacing saw blades.

- Caution: saw blades can get very hot.
- Saw blades must be kept sharp and in good condition. Replace partially fractured and broken saw blades immediately.
- Work calmly and evenly with the jig saw. You will thus avoid accidents and the saw blades and the jig saw will last longer.

7 OPERATION

7.1 Switching On & Off

7.1.1 Instant response operation (Figure 1)

Switching on: Press the On/Off switch

Switching off: Release the On/Off switch

7.1.2 Continuous operation

Switching on: Press the On/Off switch, keep pressed and lock with the locking button

Switching off: Press the On/Off switch and release

See Fig 1.

A : Locking button

B : On/Off switch

7.2 Changing the saw blade (Figure 2)

Switch off the jigsaw and remove the plug from the power socket before changing the blade or carrying out any other work on the jigsaw.

Use the supplied hexagon-socket spanner to undo the two screws on the ram (Figure 2). Slide the saw blade into the guide slot and up to the stop between the piston rod and the retention clip. Use the supplied hexagon-socket spanner to tighten the two screws. The teeth of the saw blade must face in cutting direction. Make sure that the saw blade sits properly in the guide slot of the ram and roller.

Important: Make sure that the saw blade sits properly in the slot of the roller and ram.

See fig 2 (Releasing the saw blade: Turn screw anticlockwise.)

7.3 Electronic speed control setting (Figure 3)

Using the knurled screw on the On/Off switch you can pre-set any speed.

Turn the knurled screw in PLUS direction for a higher speed and turn it in MINUS direction for a lower speed.

The ideal cutting rate depends on the specific material and working conditions.

The general rules for tool speed in cutting operations apply.

See Fig 3

(1) turn the speed controller to increase the cutting rate.

7.4 Adjusting the base

(for mitring and sawing near edges, Figure 4)

For mitre and bevel cuts you can swivel the base by up to 45° in either direction after undoing the two screws on the bottom. The angles 15°, 30° and 45° are marked but you can adjust the saw to any angle between these markings as required.

To adjust the cutting angle, undo the two screws (Figure 4) until you can just about move the blade. Adjust to the required angle and re-tighten the two screws.

To enable you to saw right up to the edge, the base can be pushed backward. To do so, undo the two screws underneath (Figure 4) and push the base to the back. Re-tighten the two screws.

See FIG 4

Undo the two screws to set the base to an angle of 0° to 45° on the right or left side.

7.5 Dust extraction

The jigsaw is equipped with a dust extractor socket. Any vacuum cleaner can be connected to the socket at the rear of the jigsaw. If you require a special adapter, please contact the manufacturer of your vacuum cleaner.

7.6 Use of pendulum

See fig. 5

Position	Cutting action	Applications
0	Straight line cutting action	For cutting mild steel, stainless steel and plastics. For clean cuts in wood and plywood.
I	Small orbit cutting action	For cutting mild steel, aluminum and hard wood.
II	Medium orbit cutting action	For cutting wood and plywood. For fast cutting in aluminum and mild steel.
III	Large orbit cutting action	For fast cutting in wood and plywood.

8 CLEANING AND MAINTENANCE

Attention! Before performing any work on the equipment, pull the power plug.

8.1 Cleaning

- Keep the ventilation slots of the machine clean to prevent overheating of the engine.
- Regularly clean the machine housing with a soft cloth, preferably after each use.
- Keep the ventilation slots free from dust and dirt.
- If the dirt does not come off use a soft cloth moistened with soapy water.



Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

9 TECHNICAL DATA

Nominal voltage:	230-240V~50Hz
Power consumption:	600 W
Cutting rate:	800-3000 min-1
Stroke height:	18 mm
Cutting depth in wood:	65 mm
Cutting depth in plastic:	20mm
Cutting depth in iron:	8 mm
Mitre cuts:	up to 45° (left and right)
Double isolation	yes
Weight	2.1 Kg

10 NOISE

Noise emission values measured according to relevant standard. (K=3)

Acoustic pressure level LpA	84 dB(A)
Acoustic power level LwA	95 dB(A)



ATTENTION! Wear hearing protection when sound pressure is over 85 dB(A).

aw (Vibration)	12.9 m/s ²	K = 1.5 m/s ²
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11 SERVICE DEPARTMENT

- Damaged switches must be replaced by our after-sales service department.
- If the connecting cable (or mains plug) is damaged, it must be replaced by a particular connecting cable which is available from our service department. Replacement of the connecting cable must only be carried out by our service department (see last page) or by a qualified person (qualified electrician).

12 STORAGE

- Thoroughly clean the whole machine and its accessories.
- Store it out of the reach of children, in a stable and secure position, in a cool and dry place, avoid too high and too low temperatures.
- Protect it from exposure to direct sunlight. Keep it in the dark, if possible.
- Don't keep it in plastic bags to avoid humidity build-up.

13 WARRANTY

- This product is warranted for a 36-month period effective from the date of purchase by the first user.
- This warranty covers all material or production flaws excluding : batteries, chargers, defective parts subject to normal wear & tear such as bearings, brushes, cables, and plugs, or accessories such as drills, drill bits, saw blades, etc. ; damage or defects resulting from maltreatment, accidents or alterations; nor the cost of transportation.
- Damage and/or defects resulting from inappropriate use also do not fall under the warranty provisions.
- We also disclaim all liability for any bodily injury resulting from inappropriate use of the tool.
- Repairs may only be carried out by an authorised customer service centre for Powerplus tools.
- You can always obtain more information at the number 00 32 3 292 92 90.
- Any transportation costs shall always be borne by the customer, unless agreed otherwise in writing.
- At the same time, no claim can be made on the warranty if the damage of the device is the result of negligent maintenance or overload.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage (use for purposes for which the device is not suitable), incompetent usage (e.g. not following the instructions given in the manual), inexperienced assembly, lightning strike, erroneous net voltage. This list is not exhaustive.
- Acceptance of claims under warranty can never lead to the prolongation of the warranty period nor commencement of a new warranty period in case of a device replacement.
- Devices or parts which are replaced under the warranty therefore remain the property of Varo NV.

- We reserve the right to reject a claim whenever the purchase cannot be verified or when it is clear that the product has not been properly maintained. (Clean ventilation slots, carbon brushes serviced regularly, etc.).
- Your purchase receipt must be kept as proof of date of purchase.
- Your appliance must be returned undismantled to your dealer in an acceptably clean state, (in its original blow-moulded case if applicable to the unit), accompanied by proof of purchase.

14 ENVIRONMENT



Should your appliance need replacement after extended use, do not discard it with the household rubbish but dispose of it in an environmentally safe way.

Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycle facilities exist. Check with your Local Authority or retailer for recycling advice.

15 DECLARATION OF CONFORMITY



VARO N.V. - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM, declares that,
product : Jig saw
trade mark : POWERplus
model : POWX033

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature);
2011/65/EU
2004/108/EC
2006/42/EC

European harmonized standards (including, if applicable, their amendments up to the date of signature);

EN60745-1 : 2009
EN60745-2-11 : 2010
EN55014-1 : 2006
EN55014-2 : 1997
EN61000-3-2 : 2006
EN61000-3-3 : 2013

Keeper of the Technical Documentation : Philippe Vankerkhove, VARO – Vic. Van Rompuy N.V.

The undersigned acts on behalf of the company CEO,

Hugo Cuypers
Regulatory Affairs – Compliance Manager
Date : 05/11/2014